| Index of | Claims |
|----------|--------|
|          |        |

Rejected

Allowed

| Application No. | Applicant(s)     |
|-----------------|------------------|
| 09/836,368      | TANIGUCHI ET AL. |
| Examiner        | Art Unit         |

Audrey Y. Chang

(Through numeral)

Cancelled

N Non-Ele

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

2872

|  |                 |  |                 |          |          |  |          |                |          |       |          |                 |  |          |  |                  | _        |              |            |                 |          |         |                    |              |                 |                   |        |
|--|-----------------|--|-----------------|----------|----------|--|----------|----------------|----------|-------|----------|-----------------|--|----------|--|------------------|----------|--------------|------------|-----------------|----------|---------|--------------------|--------------|-----------------|-------------------|--------|
| Claim Date                                       |                 |  |                 |          | Cla      | Claim Date                                       |          |                |          |       |          | С               | laim   | Date     |  |                  |          |              |            |                 |          |         |                    |              |                 |                   |        |
| Final  | Original        | 974  |                 |          |          |  |          |                |          | Final | Original |                 |  |          |  |                  |          | Final        | Original   |                 |          |         |                    |              |                 |                   |        |
|  | 1               | V  |                 |          | $\vdash$ | П  |          |                |          |       | 51       | _               |  | $\dashv$ | $\Box$   |                  | 7        |              | 101        | T               | T        | T       |                    | 1            | H               | 寸                 | $\neg$ |
|  | 2               |  |                 |          | Т        |  |          |                |          |       | 52       |                 |  |          | $\Box$   | 1                | 7        |              | 102        | $\dashv$        | 十        | $\top$  | 十                  | $\top$       | П               | ヿ                 |        |
|  | 2               |  |                 |          | 1        |  |          |                |          |       | 53       |                 | П  |          |  |                  | 7        |              | 103        |                 |          | $\top$  |                    |              | П               | $\exists$         |        |
|  | 4               | 1  |                 |          |          |  |          |                |          |       | 54       |                 |  |          |  |                  | 7        |              | 104        | П               | $\top$   | T       |                    |              | П               | $\Box$            |        |
|  | þ               |  |                 |          |          |  |          |                |          |       | 55       |                 |  |          |  |                  | ]        |              | 105        |                 |          |         |                    |              |                 |                   |        |
|  | 6               | ١  |                 |          |          |  |          |                |          |       | 56       |                 |  |          |  |                  | ]::::    |              | 106        |                 |          |         |                    |              |                 |                   |        |
|  | 7               | 7  |                 |          |          |  |          |                |          |       | 57       |                 |  |          |  |                  | _        |              | 107        |                 |          |         |                    |              |                 | $\perp$           |        |
|  | 8               | 7  |                 |          |          |  |          |                |          |       | 58       |                 | Ш.   |          |  | otacluster       | _        |              | 108        | $\perp$         |          |         | .                  | _            | Ш               | _                 |        |
| <u> </u>   | 9               | ン  |                 | _        |          |  |          | _              |          |       | 59       |                 | Ш  | _        |  | <del>     </del> | _        |              | 109        | $\perp$         |          |         | _                  |              | Ш               | _                 |        |
|  | 10              | ~  |                 | $\perp$  |          | Ш  |          | $\perp$        |          |       | 60       |                 | $\sqcup$   |          |  | $\bot$           | 4        |              | 110        | 4               | _        | _       | -                  | <u> </u>     | Ш               | 4                 |        |
| <u> </u>   | 11              | u  |                 | $\bot$   |          | Щ  | _        | +              |          |       | 61       |                 | $\sqcup$   |          | <del>    -</del>                                   |                  | 4        |              | 111        | $\sqcup$        | +        | $\perp$ | $\perp$            | 1            | $\sqcup$        | _                 |        |
|  | 12              | ~  | [+              | +        | $\vdash$ | $\sqcup$   | $\dashv$ | +              | <b>.</b> |       | 62       | $\vdash$        |  | - -      | +-   | +-+              | 4        |              | 112        | $\sqcup$        | +        | +       | +                  | $\vdash$     | $\sqcup$        | 4                 |        |
| <u> </u>   | 13              | 1  | $\vdash$        | +        | _        | $\sqcup$   | _        | +              |          |       | 63       |                 | <del>     </del>                                 |          | ++   | ++               | 4::::    |              | 113        | $\sqcup$        | $\dashv$ | +       | +                  | <del> </del> | $\vdash \vdash$ |                   |        |
|  | 14              | ~  | -1              | -        | —        | $\vdash$   | -        |                |          |       | 64       |                 |  |          | ++   | ++               | -        |              | 114        | H               | +        |         |                    |              | $\vdash \vdash$ | $\dashv$          | _      |
| <u> </u>   | 15              |  | $\vdash$        | +        | -        |  | -        |                | 1        |       | 65       |                 | $\vdash$   | +        | ++   | ++               | -        | <u> </u>     | 115<br>116 |                 |          |         | +                  | +            | $\vdash \vdash$ | $\dashv$          |        |
| <del>                                     </del> | 16              | 1  | $\vdash$        | +        | $\vdash$ | <del>                                     </del> | -+       |                | ł        |       | 66<br>67 |                 | $\vdash$   | +        | ++   | ++               | -        |              | 116        | $\vdash$        |          | +       | +                  | $\vdash$     | $\vdash$        | $\dashv$          |        |
| <u> </u>   | 47-             |  | $\vdash$        | +        | +        | $\vdash$   | $\dashv$ | -              |          |       |          | <del></del>     | $\vdash$   | +        | ++   | ++               | -        | <u> </u>     | 117        | $\vdash$        | +        | +       | +                  | $\vdash$     | H               | $\dashv$          |        |
| <u> </u>   | 18<br>49-       | lacksquare                                       | $\vdash$        | +        | +        | $\vdash$   | $\dashv$ | +              |          | l     | 68<br>69 | <del></del>     | $\vdash$   | +        | ++   | ++               | -        |              | 119        |                 | +        | +       | +                  | +            | $\vdash$        | $\dashv$          | _      |
| <u> </u>   | 20              | <del>                                     </del> | ┝─┼             |          | +-       | $\vdash$   | $\dashv$ | -              |          | -     | 70       | <del>-  </del>  | <del>   </del>                                   | +-       | ++   | ++               | -        | <u> </u>     | 120        |                 | -        | +       | +                  | +            | $\vdash$        | +                 |        |
| <u> </u>   | 21-             | ~  | ┝╼┼             |          | +-       |  | $\dashv$ | -              | 1        |       | 71       | $\vdash \vdash$ | <del>                                     </del> | +-       | +-+  | +                | -        | _            | 121        |                 |          | +       | +-                 | 1            | $\vdash$        | $\dashv$          |        |
|  | 22              |  | $\vdash \vdash$ | -        | +        | Н  | $\dashv$ |                |          |       | 72       | $\vdash\vdash$  | -  |          | +  | ++               | -        | _            | 122        | $\vdash \vdash$ | +        | ╅       |                    | +            | $\vdash \vdash$ | $\dashv$          |        |
|  | - <del>23</del> | F  | $\vdash \vdash$ |          | +        | $\vdash \vdash$                                  | $\dashv$ | +              |          |       | 73       | $\vdash$        | +-+  | +-       | ╁╾╁╴   | ++               | -        |              | 123        | $\vdash \vdash$ | $\dashv$ | +       | +                  | +            | $\vdash$        | $\dashv$          | _      |
|  | 24              | -  | <del>-  </del>  |          | +        | $\vdash$   | -+       | +              | 1        |       | 74       | $\vdash\vdash$  | <del>     </del>                                 |          | ++   | ++               | <b> </b> | $\vdash$     | 124        | $\vdash$        | $\dashv$ | +       |                    | $\vdash$     | $\vdash \vdash$ | $\dashv$          | _      |
| <u> </u>   | 25              |  | $\vdash \vdash$ |          | +        | $\vdash$   | $\dashv$ | +              | 1        |       | 75       |                 |  | _        | ++   | 1                | 1        | $\vdash$     | 125        | $\vdash$        | +        | 十       |                    | +            | $  \cdot  $     | $\dashv$          | _      |
| <u> </u>   | 26              | <del> </del>                                     | $\vdash$        | +        | +        | $\Box$   | $\dashv$ | $\dashv$       | 1        |       | 76       | <del></del>     |  | $\top$   | $\dagger \dagger$                                  | 1                |          |              | 126        |                 | $\dashv$ | -†-     | +                  |              | $\Box$          | $\dashv$          | _      |
|  | 27              | $\vdash$   | $\vdash$        | $\dashv$ | T        | H  | $\dashv$ | $\top$         | 1        |       | 77       |                 |  | $\top$   |  | 11               |          |              | 127        | $\vdash$        | +        | 1       | $\top$             |              | Н               | $\dashv$          |        |
|  | 28              |  | $\Box$          | $\top$   | $\top$   | $\Box$   | $\dashv$ | $\neg \vdash $ | 1        |       | 78       | $\vdash$        | $\sqcap$   | 1-       | $\top$   | 1                | 7        |              | 128        |                 | $\dashv$ | 十       | $\top$             | <b>—</b>     | $\Box$          |                   | _      |
|  | 29              | 1  | $\sqcap$        | 1        | 1        | П  |          |                | 1        |       | 79       |                 |  | $\top$   |  | TT               | 7::::    |              | 129        | П               | $\dashv$ | 1       | $\top$             |              |                 |                   | _      |
|  | 30              |  |                 |          |          |  |          |                | 1        |       | 80       |                 |  |          | $\Box \top$  |                  |          |              | 130        |                 | $\Box$   | $\Box$  | 丁                  |              |                 |                   |        |
|  | 31              | U  |                 |          | 1        | П  | 一        |                | ]        |       | 81       |                 |  |          |  |                  |          |              | 131        |                 |          |         | $oxed{\mathbb{T}}$ |              |                 | コ                 |        |
|  | 32              | V  |                 |          | L        |  |          | <u> </u>       | ]        |       | 82       |                 |  |          |  | $\coprod$        |          |              | 132        |                 |          |         | Ι                  |              |                 |                   |        |
|  | 39-             |  |                 |          |          |  |          |                | ]        |       | 83       |                 |  |          |  |                  |          |              | 133        |                 |          |         |                    |              | Ш               |                   |        |
|  | 34              | 1  |                 |          |          |  |          |                |          |       | 84       |                 |  |          |  |                  |          |              | 134        |                 |          |         |                    |              | $\Box$          | $oldsymbol{\bot}$ |        |
|  | 35              |  |                 |          |          | П  |          |                |          |       | 85       |                 |  |          |  |                  | 4        |              | 135        | Ш               |          |         |                    | ļ            | Ш               |                   |        |
|  | 36              | L.   |                 |          |          | Ш  | [        |                |          |       | 86       |                 | Щ  |          | $\sqcup \bot$                                      | +                | 4        |              | 136        | Ш               | $\perp$  | $\perp$ |                    | <u> </u>     | $\sqcup$        | $\dashv$          |        |
|  | 37              | <u> </u>   | $\Box$          | $\bot$   | _        | Ш  |          |                |          |       | 87       |                 |  |          | $oxed{oxed}$                                       | $\bot \bot$      | 4        | <u> </u>     | 137        | Ш               | $\perp$  |         | 4                  | ļ            |                 |                   |        |
|  | 38              | <u> </u>   | $\sqcup$        | $\bot$   | _        | Ш  | _        |                |          |       | 88       | <u> </u>        | $\sqcup$   |          | $\perp \perp$                                      | $\bot \bot$      | 4::::    | L            | 138        | $\sqcup$        | _        | _ _     | _                  | _            | $\sqcup$        | $\dashv$          |        |
|  | 39              | <u> </u>   | $\sqcup$        | $\bot$   | 4_       | Ш  | _        | _              |          | ļ     | 89       |                 | $\sqcup$   |          | ++   | 1-1-             | 4        | ļ <u>.</u>   | 139        | <b> </b>        | _        | _       | -                  | 1            | $\sqcup$        | $\dashv$          |        |
|  | 40              | <u> </u>   | $\vdash$        |          |          | $\sqcup$   | _        |                | 1        |       | 90       | $\vdash \vdash$ | $\vdash$   | $\dashv$ | +  | +                | 4        |              | 140        | $\vdash$        | $\dashv$ | +       | +                  | ₩            | ${oxed}$        | $\dashv$          | _      |
|  | 41              | _  | $\vdash \vdash$ | -        | +-       | $\sqcup$   |          |                |          | ļ     | 91       |                 |  | +        | <del>      -   -   -   -   -   -   -   -   -</del> | +                | -        | <u> </u>     | 141        | $\vdash$        | +        | +       | +                  | -            | $\vdash$        | _                 |        |
|  | 42              |  | $\vdash \vdash$ | +        | +        | $\vdash$   | -        | $\perp$        | 4        |       | 92       |                 |  |          | ++   | ++               | 4        | <u> </u>     | 142        | $\sqcup$        |          |         |                    | -            | $\vdash$        |                   |        |
| <u> </u>   | 43              | <u> </u>   |                 |          | ┼        | $\vdash \vdash$                                  |          |                | <b> </b> |       | 93       |                 | $\vdash$   | +        | +  | -  -             | -        | <u> </u>     | 143        |                 |          | +       | +                  | +            | $\vdash \vdash$ | $\dashv$          | _      |
| <del> </del>                                     | 44              | <del> </del>                                     | $\vdash$        |          | +        | $\vdash$   | $\dashv$ | +              | 1        |       | 94       | $\vdash$        |  | $\dashv$ | +  | +                | -        |              | 144        | $\vdash \vdash$ | +        | +       | +                  | +            | $\vdash \vdash$ | $\dashv$          |        |
| <u> </u>   | 45              | -  |                 | +        | -        | $\vdash \vdash$                                  | $\dashv$ | +              | <b> </b> |       | 95       | $\vdash$        |  | +        | +  | ++               | -        | <u> </u>     | 145        | H               | +        | +       | +                  | +            | $\vdash$        | $\dashv$          |        |
| <u> </u>   | 46              |  | $\vdash$        | +        | +        | $\vdash \vdash$                                  | +        |                | -        | -     | 96       |                 | $\vdash$   |          | +-+  | ++               | -        |              | 146<br>147 | $\vdash$        | +        | +       | +                  | +            | $\vdash$        | $\dashv$          |        |
| <del> </del>                                     | 47<br>48        | $\vdash$   | $\vdash$        | +        | +        | $\vdash$   | $\dashv$ | _              | lii:     |       | 97<br>98 |                 | $\vdash$   |          | +-   |                  | $\dashv$ | <u> </u>     | 147        | ┝╾┤             | $\dashv$ | +       | +                  | +            |                 | $\dashv$          |        |
| <u> </u>   | 48              | -  | $\vdash$        |          | +-       | $\vdash \vdash$                                  | $\dashv$ | -              | 1        |       | 99       |                 | $\vdash$   | +-       | + +-   | ++               | -        | <u> </u>     | 148        | ┝┤              | $\dashv$ | +       | +                  | +            | Н               | $\dashv$          |        |
|  | 50              | ├  | $\vdash$        |          | +-       | $\vdash \vdash$                                  | -        | - -            | 1        |       | 100      | <del></del>     | ╁  | +        | +-+-   | ╅╾┼              | -        | <del> </del> | 150        | ┥               | -+       | +       | +                  | +            | $\vdash$        | $\dashv$          |        |
|  | 1 20            |  | L L             |          |          | <u> </u>   |          |                | Jiriri,  |       | 100      |                 |  |          |  |                  | _]::::   | L            | 100        |                 |          |         | Щ.,                | Т.           | Ш               |                   |        |